

SARASWATI MAHILA MAHAVIDHYALAYA, PALWAL

LESSON-PLAN

Class: bsc 2 Cs
Subject: optics-2

Semester: EVEN
session:2021-22

Lecture Number	Topic
1	Interference by division of amplitude, Newton's rings,
2	Interferometer, standardisation of meter, determination of wavelength
3	Fresnel's diffraction, zone plate, half period
4	Diffraction at a straight edge, rectangular slit and circular aperture
5	Fraunhofer diffraction one slit two slit N slit diffraction
6	Plane transmission, grating spectrum, dispersive power of a grating
7	Limit of resolution
8	Revision and doubt
10	Test of unit 1 & 2
11	Resolving power of telescope and grating
12	Assignment
13	Polarisation and double refraction, Malus law, Brewster law
14	Huygens wave theory of double refraction, analysis of polarised light
15	Fresnel's theory of rotation
16	Specific rotation, polarimeters
17	Revision and doubts
18	Test

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